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Applicant(s):	Jeffrey L. Viola	Examiner: Kenneth Whittington
Application No.:	10/816,423	Art Unit: 2862
Filing Date:	April 1, 2004	Attorney Docket No: 10541-1930
Title:	DIGITAL SIGNAL CONDITIONING SOLUTION FOR A MAGNETOMETER CIRCUIT	

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. 1.111

In response to the Office Action mailed January 19, 2006, Applicant respectfully submits this paper comprising the following parts:

- | | | |
|------|----------------------------|---------|
| I. | Amendments to the Claims | Page 2 |
| II. | Amendments to the Abstract | Page 9 |
| III. | Remarks | Page 10 |

Applicant notes that the Transmittal to which this paper is attached includes a Certificate of Facsimile under 37 C.F.R. §1.8; and a fee statement calculating any fee(s) presently due in connection with the filing of this paper, along with an authorization to charge any fee deficiency to Deposit Account No. 06-1500.

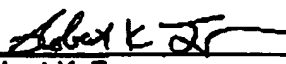
Appln. No. 10/816,423

Attorney Docket No. 10541-1930

record and that this application is now in condition for allowance. Such action is respectfully requested.

Respectfully submitted by,

Dated: April 19, 2006


Robert K. Fergan
Reg. No.: 51,674
Attorney for Applicant(s)

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APR 19 2006

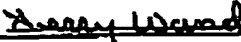
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I hereby certify that this correspondence, totaling 13 pages including recited attachments, is being facsimile transmitted to the United States Patent and Trademark Office at facsimile no.: 571-273-8300 (Central number) on the below date:

Date: April 19, 2006

Name: Terry Wood

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Jeffrey L. Viola

Appln. No.: 10/816,423

Filed: April 1, 2004

For: DIGITAL SIGNAL CONDITIONING
SOLUTION FOR A MAGNETOMETER
CIRCUIT

Examiner: Kenneth Whittington

Art Unit: 2862

Attorney Docket No: 10541-1930

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Reply Under 37 CFR 1.111
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Fee calculation:

- ☐ No additional fee is required.
☐ Small Entity.
☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.138(a).
☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(____).
☐ An additional filing fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Small Entity		or	Not a Small Entity	
					Rate	Add'l Fee		Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Presentation of Multiple Dep. Claim					+ \$180=			+ \$360=	
Total					\$		Total		\$

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☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 08-1500.

Respectfully submitted,



Robert K. Fegan (Reg. No. 51,574)

April 19, 2006
Date

PATENT APPLICATION FEE DETERMINATION RECORD
 Substitute for Form PTO-875

Application or Docket Number
10-816 423

CLAIMS AS FILED - PART I

FOR	NUMBER FILED (Column 1)	NUMBER EXTRA (Column 2)
BASIC FEE (37 CFR 1.18(a))		
TOTAL CLAIMS (37 CFR 1.18(c))	30 minus 20 =	
INDEPENDENT CLAIMS (37 CFR 1.18(b))	2 minus 3 =	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.18(d))		

RATE	FEE
	\$
X \$	
X \$	
+ \$	
TOTAL	

RATE	FEE
	\$
X \$	
X \$	
+ \$	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

CLAIMS AS AMENDED - PART II

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
AMENDMENT A			
Total (37 CFR 1.18(c))	24 Minus	30	-
Independent (37 CFR 1.18(b))	4 Minus	2	1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.18(d))			

RATE	ADDITIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
X \$	
X \$ 200	200.00
+ \$	
TOTAL ADD'L FEE	200.00

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
AMENDMENT B			
Total (37 CFR 1.18(c))		Minus	
Independent (37 CFR 1.18(b))		Minus	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.18(d))			

RATE	ADDITIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

	CLAIMS REMAINING AFTER AMENDMENT (Column 1)	HIGHEST NUMBER PREVIOUSLY PAID FOR (Column 2)	PRESENT EXTRA (Column 3)
AMENDMENT C			
Total (37 CFR 1.18(c))		Minus	
Independent (37 CFR 1.18(b))		Minus	
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.18(d))			

RATE	ADDITIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
X \$	
X \$	
+ \$	
TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20"
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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